

US EPA RECORDS CENTER REGION 5



411646

INDIANA DEPARTMENT
OF ENVIRONMENTAL MANAGEMENT

PRE-CERCLIS SCREENING *Report*

METALS SUPPLY SERVICE CO., INC.
HAMMOND, INDIANA
LAKE COUNTY



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We make Indiana a cleaner, healthier place to live.

Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

May 25, 2005

Ms. Jan Pels, SE-4J
U.S. EPA, Region V
77 West Jackson Boulevard
Chicago, IL 60604

Dear Ms. Pels:

CONFIDENTIAL

Re: Metals Supply Service
Hammond, Lake County, Indiana
Pre-CERCLIS Screening

MEMORANDUM OF DECISION

The Indiana Department of Environmental Management (IDEM) under a cooperative agreement with the U.S. EPA conducted a Pre-CERCLIS Screening at the former Metals Supply Service to determine if the site warrants further investigation under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA, a.k.a. Superfund).

The Metals Supply Service site is located at 6020 Hump Road, Hammond, Indiana. The site was on a list of former lead smelting facilities, that had not been investigated by U.S. EPA or local health departments that was released by William Eckel. IDEM staff located the site and determined that it was the same location as Metals Refining Company, which was also on the list compiled by Dr. Eckel. The addresses are around the corner from each other. IDEM collected surface soil samples from residential yards in three (3) neighborhoods in different directions from the site. Soil samples from a few yards showed lead concentrations at levels of concern. However, a background level was not determined and a pattern of declining concentrations, as would be expected with airborne lead dispersal, was not identified.

IDEM staff recommends that the site not be placed into CERCLIS under the Metals Supply Service name, but instead be investigated under the Metals Refining Company name, as that was the name used on Sanborne insurance maps of the site.

Sincerely,

Billy E. Giles

Billy E. Giles, Geologist
Site Investigation Section
Office of Land Quality

BEG/sb

*1/27/05
60 ✓*



CONFIDENTIAL**PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM**

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Billy E. Giles/Geologist 4/28/2005
(Name/Title) (Date)
100 N. Senate Ave., P.O. Box 6015, Indianapolis, IN 46206 317-234-0345
(Address) (Phone)
bgiles@idem.in.gov
(E-Mail Address)

Site Name: Metals Supply Service

Previous Names (if any): _____

Site Location: 6020 Hump Road
(Street)

Hammond, IN 46320
(City) (St) (Zip)

Latitude: N 41° 36'14.87" **Longitude:** W 087° 29'13.28"

Complete the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, previous HRS score determined, ASTM Phase I, II etc. completed EPA approved risk assessment completed)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Please explain all "yes" answer(s), attach additional sheets if necessary: _____

Site Determination: Enter the site into CERCLIS. Further assessment is recommended (explain below).
 The site is not recommended for placement into CERCLIS (explain below).

DECISION/DISCUSSION/RATIONALE: Metals Supply Service was one of 430 former lead smelting factories that were identified by William Eckel in a study published in the American Public Health Journal as not having previously been listed by U.S. EPA or by local health departments. IDEM was asked by U.S. EPA to assess the sites identified in Indiana. A site visit to the address listed for Metals Supply Service indicated that this site is the same site as Metals Refining Inc. Staff recommends that the site be entered into CERCLIS and further assessment be undertaken using the Metals Refining Inc. name, as that name was used on Sanborn maps of 1930. Thus, the Metals Supply Service name is not recommended for placement into CERCLIS.

Regional EPA Reviewer: _____
Print Name/Signature _____ Date _____

State Agency/Tribe: Billy E. Giles/Billy E. Miles
Print Name/Signature _____ Date 5/17/2005



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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May 25, 2005

Ms. Jan Pels, SE-4J
U.S. EPA, Region V
77 West Jackson Boulevard
Chicago, IL 60604

Dear Ms. Pels:

6020 Hump Rd, 46320

Re: Metals Supply Service
Hammond, Lake County, Indiana
Pre-CERCLIS Screening Report

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Sincerely,

Billy E. Giles

Billy E. Giles, Geologist
Site Investigation Section
Office of Land Quality

BEG/sb

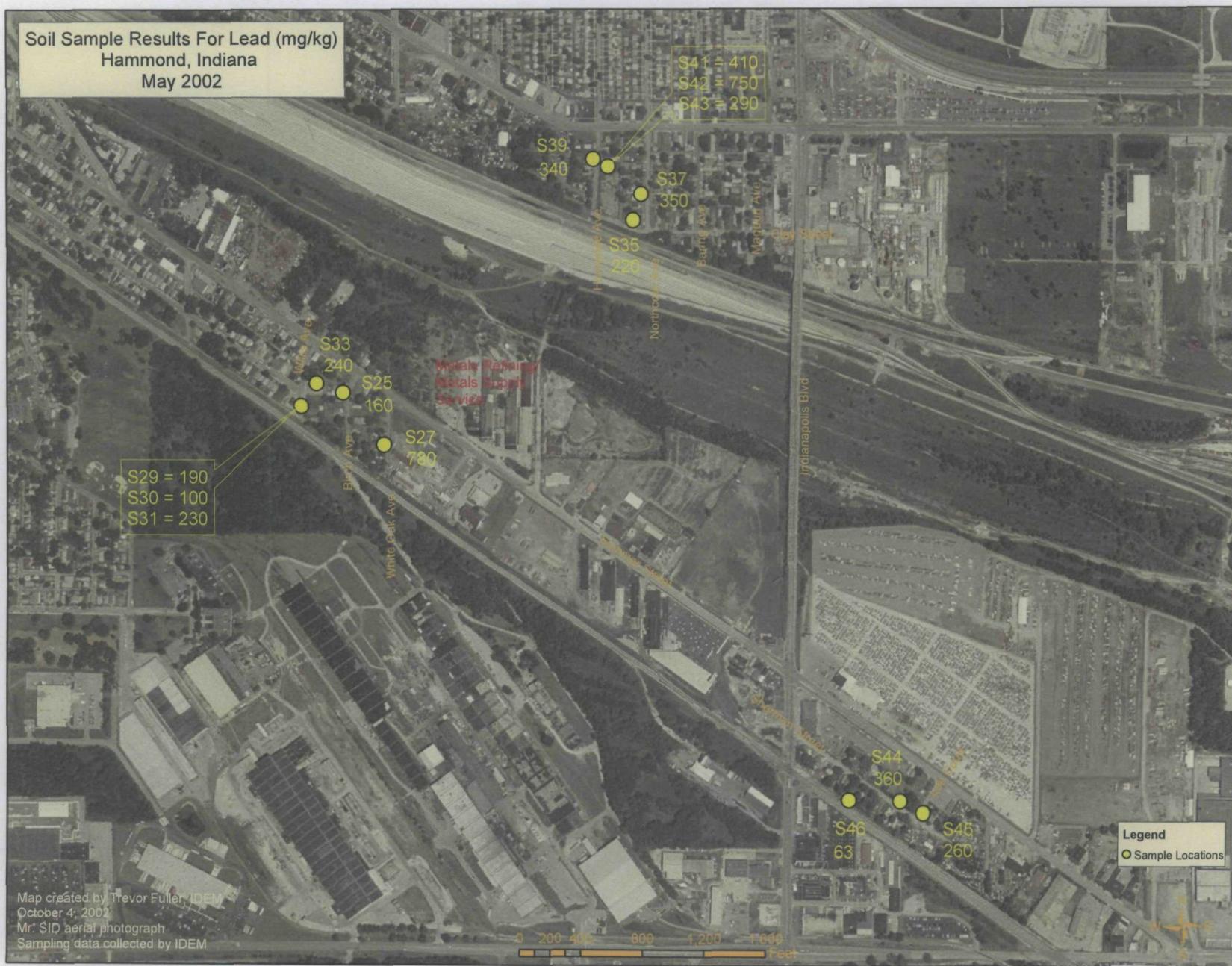
Attachments
- Map of soil results
- Sampling data
- Sanborn Map
- Sampling photos

1/27/05



MAP OF RESIDENTIAL
SOIL SAMPLING RESULTS

Soil Sample Results For Lead (mg/kg)
Hammond, Indiana
May 2002



RESIDENTIAL SOIL SAMPLING RESULTS



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

JUN 26 2002

Date:

Subject: Review of Region 5 Data for **IDEML** Lead Site Screening

From: **John V. Morris, Chemist**
Region 5 Central Regional Laboratory

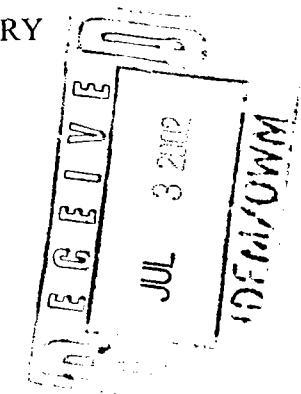
To: *John Pels*
SE-HJ

Attached are the results for: **IDEML** Lead Site Screening

CRL data set number: **20020073**

Samples analyzed for: **Lead**

Results are reported for sample designations: **2002IN01S01 through 2002IN01S81**



RECEIVED

JUL 05 2002

DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

Date: 25 June 2002

Analyst: John V. Morris

Sample Batch Number: 20020073

Facility Name: IDEM Lead Site Screening

Analyte: Lead

Narrative for the Analysis of Lead in Soils and Sediments in Batch 20020073

Between 6-15 May 2002, eighty-one (81) soil and/or sediment samples were collected by the Indiana Department of Environmental Management for the purpose of screening for lead contamination. These samples were numbered sequentially, as 2002IN01S01 through 2002IN01S81. No separate station identifiers were present on the custody forms, other than the S01-S81 designations. These samples were received at CRL on 17 May 2002.

J.V. Morris checked out the samples and directed SEE employee A. Shih-Hoellwarth in the process of subsampling the soils and sediments for drying. During the week of 20 May 2002 the samples were dried. Over the next week, J.V. Morris performed the grinding and homogenizing. Because of the large number of samples, the digestions were broken into three digestion sets of 27 samples each. CRL SOP Metals025, a hot block digestion based on EPA method 200.2, was used. The digestion log numbers were 1379, 1380 and 1381. These were prepared between 5-14 June 2002. A fourth digestion, log number 1384, was prepared when the matrix spike for sample 2002IN01S75 was out of control, as discussed below. This digestion was performed on 20 June 2002.

The analyses were performed on 17, 18, 19 and 21 June 2002. Each digestion batch was performed on a separate day. CRL SOP Metals004 was used for the analyses. Because some of the samples were expected to be high concentration for lead, only the high spike solution was used. Since lead was the only analyte of interest, the quality control reports include only lead results, plus the calibration verification for aluminum, that being the element with the only serious interelement correction for lead. All quality control checks for lead were within stated limits in the SOP, with the exception of the last of nine matrix spikes, that for sample 2002IN01S75 in digestion log 1381. The recovery of 205% was not easily explained, since the other elements in the spike solution appeared to be as expected, so the sample was not double spiked. That sample and the ones following were redigested in digestion log 1384. In an attempt to determine what occurred with the spike failure, sample 2002IN01S75 was digested in triplicate, while the next sample, 2002IN01S76, was used for a regular matrix duplicate and spike. No problems were observed in the redigestion, and all audits were in control, including both duplicates of S75. A piece of glass or plastic was observed when the problem sample was redigested. Results for 2002IN01S75 through 2002IN01S81 were taken from the redigestion.

Samples 2002IN01S12, 2002IN01S13, 2002IN01S14, 2002IN01S26, 2002IN01S53, 2002IN01S77 and 2002IN01S78 were diluted to obtain results within the calibration range.

All analytical results files, sample information files and reformat files for ICP analysis can be found on the R5CRL data server using the following path:
h:\r5crl\vol1\EPA-metals\jvmorris\20020073\3300dv\

The narrative, QC summary spreadsheets, sample result calculation spreadsheets and the final sample report for ICP analysis can be found on the R5CRL data server using the following path:
h:\r5crl\vol1\EPA-metals\jvmorris\20020073\reports\

US EPA CRL - Region V
ICP Final Report Results

Sample Batch Number: 20020073
Study Name: IDEM Lead Site Screening

Sample ID	Element	Concentration	Units	Date Analyzed
2002IN01S01	Lead	29	mg/kg	17 June 02
2002IN01S02	Lead	32	mg/kg	17 June 02
2002IN01S03	Lead	390	mg/kg	17 June 02
2002IN01S04	Lead	95	mg/kg	17 June 02
2002IN01S05	Lead	39	mg/kg	17 June 02
2002IN01S06	Lead	44	mg/kg	17 June 02
2002IN01S07	Lead	140	mg/kg	17 June 02
2002IN01S08	Lead	710	mg/kg	17 June 02
2002IN01S09	Lead	74	mg/kg	17 June 02
2002IN01S10	Lead	43	mg/kg	17 June 02
2002IN01S11	Lead	25	mg/kg	17 June 02
2002IN01S12	Lead	5000	mg/kg	17 June 02
2002IN01S13	Lead	3200	mg/kg	17 June 02
2002IN01S14	Lead	5100	mg/kg	17 June 02
2002IN01S15	Lead	180	mg/kg	17 June 02
2002IN01S16	Lead	130	mg/kg	17 June 02
2002IN01S17	Lead	180	mg/kg	17 June 02
2002IN01S18	Lead	260	mg/kg	17 June 02
2002IN01S19	Lead	180	mg/kg	17 June 02
2002IN01S20	Lead	53	mg/kg	17 June 02
2002IN01S21	Lead	17	mg/kg	17 June 02
2002IN01S22	Lead	94	mg/kg	17 June 02
2002IN01S23	Lead	160	mg/kg	17 June 02
2002IN01S24	Lead	280	mg/kg	17 June 02
2002IN01S25	Lead	160	mg/kg	17 June 02
2002IN01S26	Lead	1800	mg/kg	17 June 02
2002IN01S27	Lead	780	mg/kg	17 June 02
2002IN01S28	Lead	220	mg/kg	18 June 02
2002IN01S29	Lead	190	mg/kg	18 June 02
2002IN01S30	Lead	100	mg/kg	18 June 02
2002IN01S31	Lead	230	mg/kg	18 June 02
2002IN01S32	Lead	68	mg/kg	18 June 02
2002IN01S33	Lead	240	mg/kg	18 June 02
2002IN01S34	Lead	480	mg/kg	18 June 02
2002IN01S35	Lead	220	mg/kg	18 June 02
2002IN01S36	Lead	990	mg/kg	18 June 02
2002IN01S37	Lead	350	mg/kg	18 June 02
2002IN01S38	Lead	420	mg/kg	18 June 02
2002IN01S39	Lead	340	mg/kg	18 June 02
2002IN01S40	Lead	280	mg/kg	18 June 02
2002IN01S41	Lead	410	mg/kg	18 June 02

Metals Refining /
Metals Supp. Serv.

JVM
21 June 02

US EPA CRL - Region V
ICP Final Report Results

Sample Batch Number: 20020073
Study Name: IDEM Lead Site Screening

Sample ID	Element	Concentration	Units	Date Analyzed
2002IN01S42	Lead	750	mg/kg	18 June 02 Metals Refining/
2002IN01S43	Lead	290	mg/kg	18 June 02 Metals Supp Dev.
2002IN01S44	Lead	360	mg/kg	18 June 02
2002IN01S45	Lead	260	mg/kg	18 June 02
2002IN01S46	Lead	63	mg/kg	18 June 02
2002IN01S47	Lead	53	mg/kg	18 June 02
2002IN01S48	Lead	85	mg/kg	18 June 02
2002IN01S49	Lead	95	mg/kg	18 June 02
2002IN01S50	Lead	56	mg/kg	18 June 02
2002IN01S51	Lead	38	mg/kg	18 June 02
2002IN01S52	Lead	140	mg/kg	18 June 02
2002IN01S53	Lead	2800	mg/kg	18 June 02
2002IN01S54	Lead	100	mg/kg	18 June 02
2002IN01S55	Lead	40	mg/kg	19 June 02
2002IN01S56	Lead	19	mg/kg	19 June 02
2002IN01S57	Lead	40	mg/kg	19 June 02
2002IN01S58	Lead	73	mg/kg	19 June 02
2002IN01S59	Lead	64	mg/kg	19 June 02
2002IN01S60	Lead	31	mg/kg	19 June 02
2002IN01S61	Lead	110	mg/kg	19 June 02
2002IN01S62	Lead	30	mg/kg	19 June 02
2002IN01S63	Lead	180	mg/kg	19 June 02
2002IN01S64	Lead	17	mg/kg	19 June 02
2002IN01S65	Lead	250	mg/kg	19 June 02
2002IN01S66	Lead	82	mg/kg	19 June 02
2002IN01S67	Lead	210	mg/kg	19 June 02
2002IN01S68	Lead	220	mg/kg	19 June 02
2002IN01S69	Lead	400	mg/kg	19 June 02
2002IN01S70	Lead	470	mg/kg	19 June 02
2002IN01S71	Lead	450	mg/kg	19 June 02
2002IN01S72	Lead	440	mg/kg	19 June 02
2002IN01S73	Lead	150	mg/kg	19 June 02
2002IN01S74	Lead	92	mg/kg	19 June 02
2002IN01S75	Lead	220	mg/kg	21 June 02
2002IN01S76	Lead	320	mg/kg	21 June 02
2002IN01S77	Lead	1600	mg/kg	21 June 02
2002IN01S78	Lead	6700	mg/kg	21 June 02
2002IN01S79	Lead	300	mg/kg	21 June 02
2002IN01S80	Lead	140	mg/kg	21 June 02
2002IN01S81	Lead	140	mg/kg	21 June 02

JVM
25 June 02

CRL Data Review Qualification Codes

QUALIFIER	DESCRIPTION
B	This flag is used when the analyte is found in the associated <u>Blank</u> as well as the sample. It indicates possible blank contamination and warns the user to take appropriate action while assessing the data. See the case narrative for a discussion of common lab contaminants and/or the relative concentration of contamination in the samples and blanks for relevance.
J	This flag is used when the analyte is <u>estimated</u> due to quality control limit(s) being exceeded. This flag accompanies all GC/MS tentatively identified compounds (TICs). This flag also applies to a suspected, unidentified interference. This flag is placed on affected detected results as well as non-detected (i.e., "U" flagged) results. (J is the flag used in the Superfund CLP SOW and Data Review Functional Guidelines and is used by CRL for consistency.)
M	This flag is used when the analyte is confirmed to be qualitatively present in the sample, extract or digestate, with a quantity at or above the CRL <u>Method Detection Limit (MDL)</u> but below the lowest concentration of the calibration curve. This flag indicates the quantitated value is <u>estimated</u> since it falls below the lowest calibration standard in the calibration curve.
N	This flag applies to GC/MS <u>Tentatively Identified Compounds</u> (TICs) that have a mass spectral library match.
Q	This flag applies to analyte data that are severely estimated due to quality control and/or <u>Quantitation</u> problems, but are confirmed to be qualitatively present in the sample. <u>No value is reported with this qualification flag.</u>
R	This flag applies to analyte data that are <u>Rejected</u> and unusable due to severe quality control, quantitation and/or qualitative identification problems. No other qualification flags are reported for this analyte. <u>No value is reported with this qualification flag.</u>
U	This flag is used when the analyte was analyzed for but <u>Undetected</u> in the sample. The CRL RL for the analyte accompanies this flag. When the customer requests CRL to report below our RL down to our MDL, undetected analytes are reported with a "U" code and the MDL. As with sample results that are positive, the value is corrected for dry weight, dilution and/or sample weight or volume.

TRP

20020073

(6)

ENVIRONMENTAL PROTECTION AGENCY
FIND THE TEAMS METALS

VISION/BRANCH SUPER-FLEET SAMPLING DATE 5/6-15/02 LAB ARRIVAL DATE 5/17/02 DUE DATE 6/17/02
 NUMBER 501087 DATASET NUMBER 20020073 STUDY LEADSITE SCREENING PRIORITY N CONTRACTOR IDGM

501087

7/11/02 SHOOT 10F4

L LOG NRER	SAMPLE DESCRIPTION	RECENTS SOLID	MATRIX..... S	MATRIX..... TEST..... UNITS..... MET493	MATRIX..... TEST..... UNITS..... MET1235826	MATRIX..... TEST..... UNITS..... MET1235826	MATRIX..... TEST..... UNITS..... MET1235826
21N01	S01	5-039336					
	S02	5-039337	X				
	S03	5-039338	X				
	S04	5-039339	X				
	S05	5-039340	X				
	S06	5-039341	X				
	S07	5-039342	X				
	S08	5-039343	X				
	S09	5-039344	X				
	S10	5-039345	X				
	S11	5-039346	X				
	S12	5-039347	X				
	S13	5-039348	X				
	S14	5-039349	X				
	S15	5-039350	X				
	S16	5-039021	X				
	S17	5-039022	X				
	S18	5-039023	X				
	S19	5-039024	X				
	S20	5-039025	X				
	S21	5-039026	X				

ENVIRONMENTAL PROTECTION AGENCY

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TRAM METALS

20020073

50108D

(6)

7/11/02 SHOOT 30F4

LOCATION/BRANCH

SUPER FUND

SAMPLING DATE

5/16-15/02

LAB ARRIVAL DATE

5/17/02

DUE DATE

6/17/02

NUMBER

50108D

DATASET NUMBER

20020073

STUDY

LEAD SITES SCREENING

PRIORITY

N

CONTRACTOR

IDBM

LOG NUMBER	SAMPLE DESCRIPTION	SEDIMENTS SOLID	MATRIX..... TEST..... TEST..... TEST..... TEST.....	MATRIX..... TEST..... TEST..... TEST..... TEST.....	MATRIX..... TEST..... TEST..... TEST..... TEST.....	MATRIX..... TEST..... TEST..... TEST..... TEST.....
L1N01						
S43	5-039048	X				
S44	5-039049	X				
S45	5-039050	X				
S46	5-039051	X				
S47	5-039052	X				
S48	5-039053	X				
S49	5-039054	X				
S50	5-039055	X				
S51	5-039056	X				
S52	5-039057	X				
S53	5-039058	X				
S54	5-039059	X				
S55	5-039060	X				
S56	5-039061	X				
S57	5-039062	X				
S58	5-039063	X				
S59	5-039064	X				
S60	5-039065	X				
S61	5-039066	X				
S62	5-039067	X				
S63	5-039068	X				

2002 0073

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TEAM METALS

501080

16

7111 W. SHOOT 4024

DU~~E~~ DATE 6/17/02

MISSION/BRANCH SUPER FUND SAMPLING DATE 5/6-15/02 LAB ARRIVAL DATE 5/17/02 ISSUE DATE 6/11/02
NUMBER 501087 DATASET NUMBER TC020093 STUDY LEAD SITE SCREENING PRIORITY N CONTRACTOR FOLM

2002 0073

ENVIRONMENTAL PROTECTION AGENCY
FOR THE TRAITS METALSISION/BRANCH SUPERFUND SAMPLING DATE 5/6-15/02 LAB ARRIVAL DATE 5/17/02 DUE DATE 6/17/02
NUMBER 507080 DATASET NUMBER 20020073 STUDY LEADSITE SCREENING PRIORITY N CONTRACTOR ID EMI

507080

7/11/02

SHOT 20F4

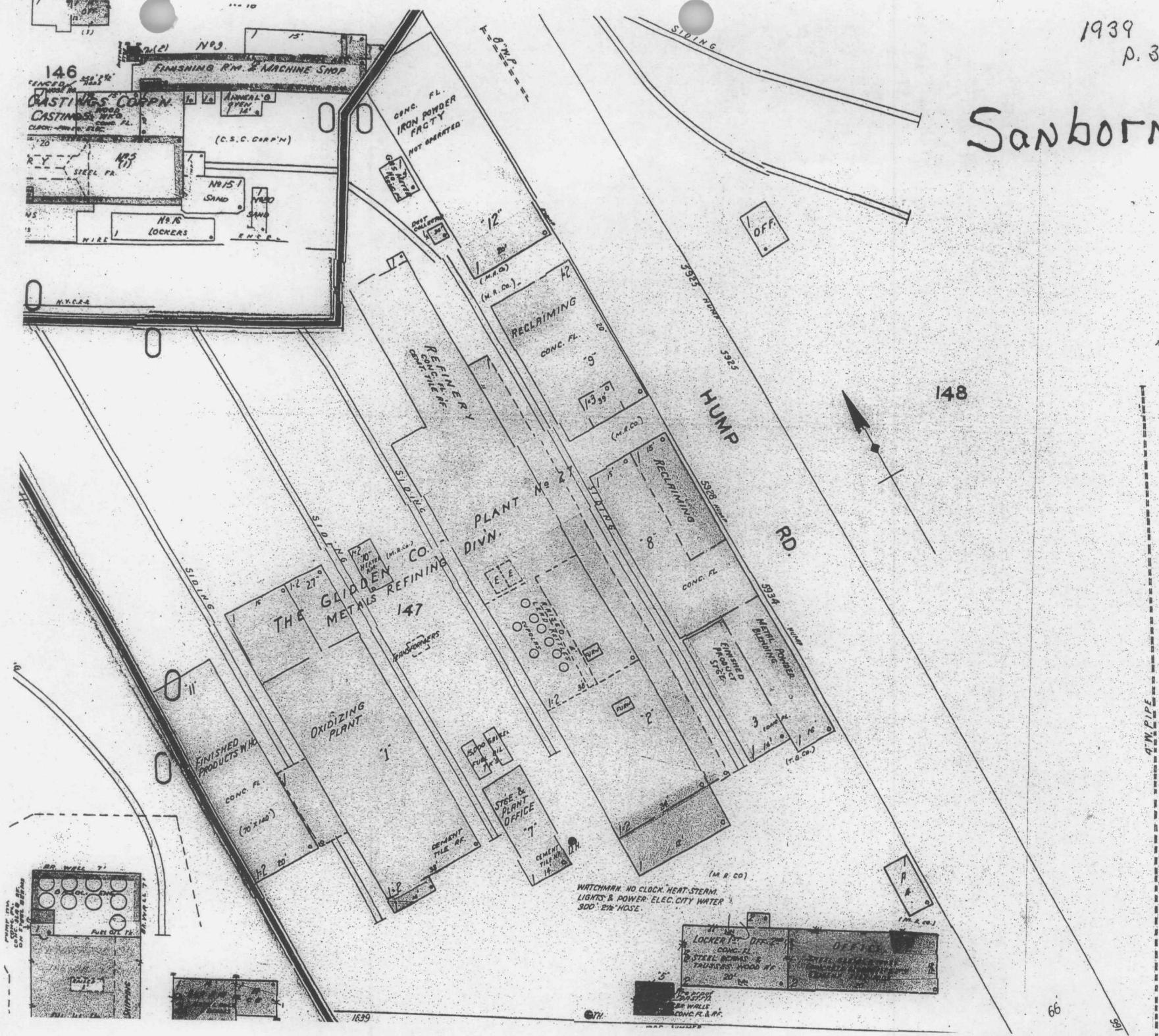
(6)

LOG NUMBER	SAMPLE DESCRIPTION	SEDIMENTS SOLID	MATRIX.....	MATRIX.....	MATRIX.....
S22	5-039027				
S23	5-039028				
S24	5-039029				
S25	5-039030				
S26	5-039031				
S27	5-039032				
S28	5-039033				
S29	5-039034				
S30	5-039035				
S31	5-039036				
S32	5-039037				
S33	5-039038				
S34	5-039039				
S35	5-039040				
S36	5-039041				
S37	5-039042				
S38	5-039043				
S39	5-039044				
S40	5-039045				
S41	5-039046				
S42	5-039047				

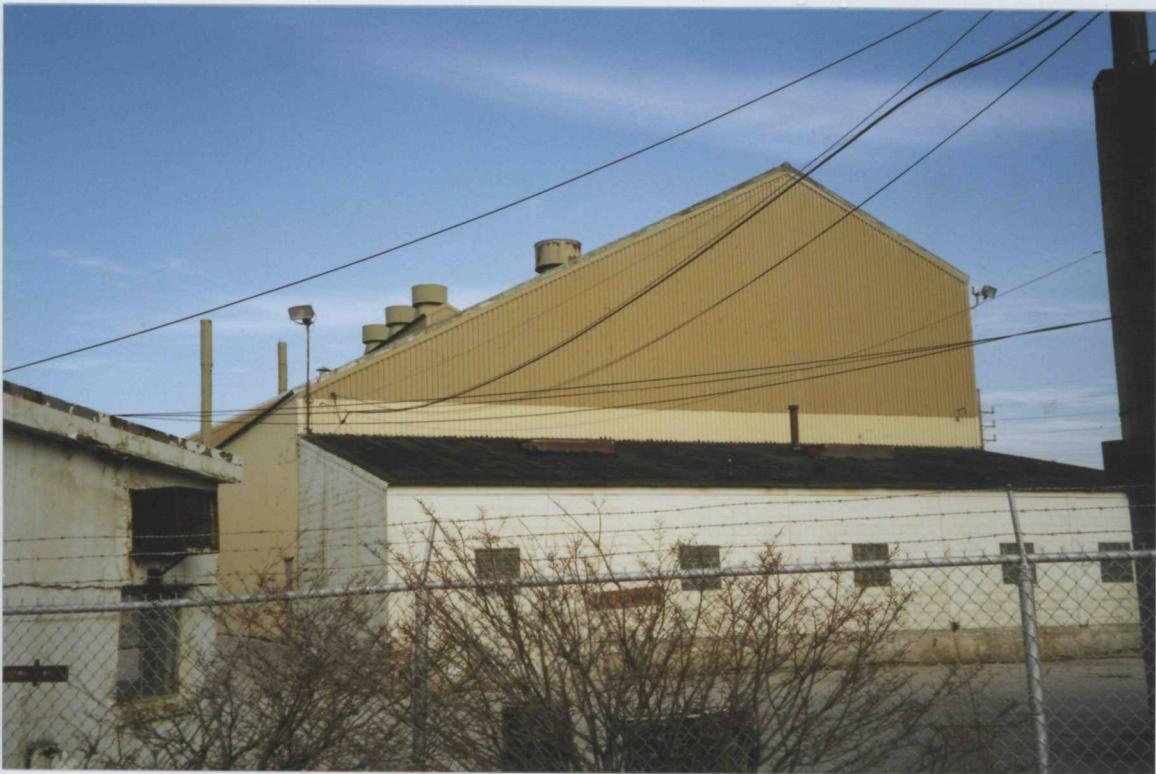
SANBORNE INSURANCE MAPS

1939
p. 30 \$

Sanborn maps
1939



SITE AND SAMPLING PHOTOS



Metals Refining / Metals Supply Serv

Facility

Bill Giles

12-3-01

12:00

Photographer

Date

Time

Others Present:

Andrea Robertson

ROBERTS
310 01**

Location: Looking West from Hump Rd
1723 Summer 16020 Hump Rd
Hammond

Subject (movement):

SF 39674

Dept. of Environmental Mgmt.

ROBERTS
310 01**

Metals Refining / Metals Supply Serv

Facility

Bill Giles

12-3-01

12:00

Photographer

Date

Time

Others Present:

Andrea Robertson

Location: Looking NE from Summer
1723 Summer 16020 Hump
Hammond

Subject (movement):

SF 39674

Dept. of Environmental Mgmt.



Metals Refining / Metals Supply

Facility Bill Giles Date 12-3-01 Time 12:00
 Photographer Andrea Robertson

Others Present: _____

Location: Looking N on Summer
1723 Summer / 6020 Hump, Hammond

Subject (movement): _____

SF 39674 Dept. of Environmental Mgmt.

Metals Refining / Metals Supply Serv

Facility Bill Giles Date 12-3-01 Time 12:00
 Photographer Andrea Robertson

Others Present: Andrea Robertson

Location: Look N on Summer
1723 Summer / 6020 Hump, Hammond

Subject (movement): _____

SF 39674 Dept. of Environmental Mgmt.

Metals Refining / Metals Supply Serv

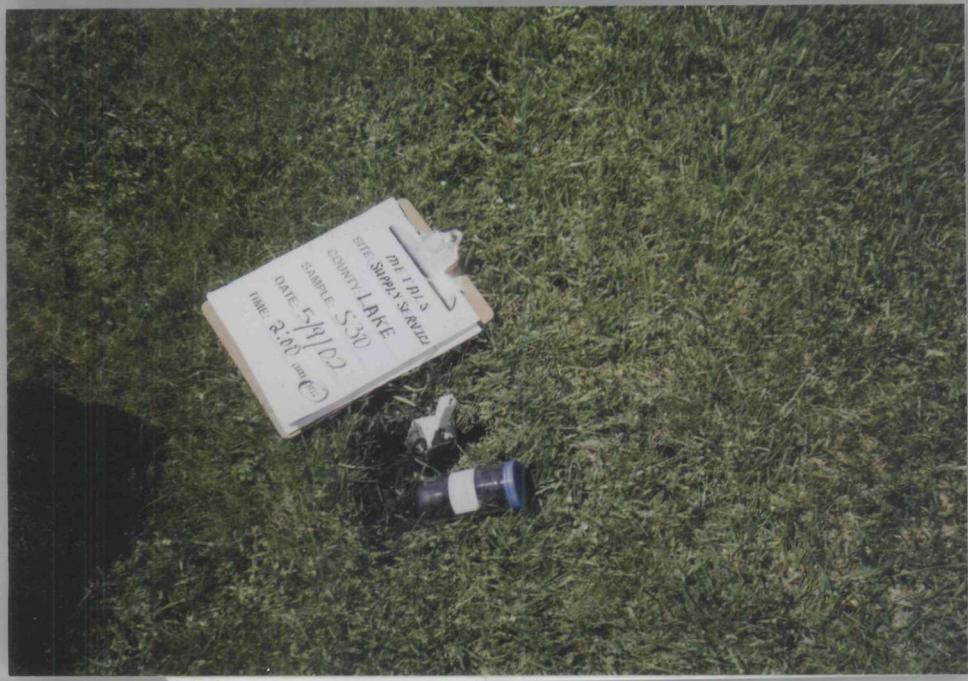
Facility Bill Giles Date 12-3-01 Time 12:00
 Photographer Andrea Robertson

Others Present: _____

Location: Looking West on Hump
1723 Summer / 6020 Hump, Hammond

Subject (movement): _____

SF 39674 Dept. of Environmental Mgmt.



Metals Supply Serv./Metals Refining

Site

B.71 Giles 5/9/02 1345
Photographer Date Time

Others Present: Mark Jaworski
Don Cherterson

Location: S 28

Subject (movement): soil sample

Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Site

B.71 Giles 5/9/02 1345
Photographer Date Time

Others Present: Mark Jaworski
Don Cherterson

Location: S 28

Subject (movement): soil sample

Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Site

B.71 Giles 5/9/02 1400
Photographer Date Time

Others Present: Mark Jaworski
Don Cherterson

Location: S 30

Subject (movement): soil sample

Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Site

B.71 Giles 5/9/02 1400
Photographer Date Time

Others Present: Mark Jaworski
Don Cherterson

Location: S 30

Subject (movement): soil sample

Dept. of Environmental Mgmt.

K&W Division PB32
Tolleson, AZ 85283



Metals Supply Serv. / Metals Refining

Facility

Doug Fisher

Photographer

5/9/02
Date1350 1835
Time

Others Present: Tracy Concannon

Susan Tyner

Location: S 29 J 40

Subject (movement): Soil sampling

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Facility

Doug Fisher

Photographer

5/9/02
Date1350
Time

Others Present: Tracy Concannon

Susan Tyner

Location: S 29

Subject (movement): Soil sampling

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Facility

Doug Fisher

Photographer

5/9/02
Date1405
Time

Others Present: Susan Tyner

Tracy Concannon

Location: S 33

Subject (movement): Soil sample

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Facility

Doug Fisher

Photographer

5/9/02
Date1405
Time

Others Present: Susan Tyner

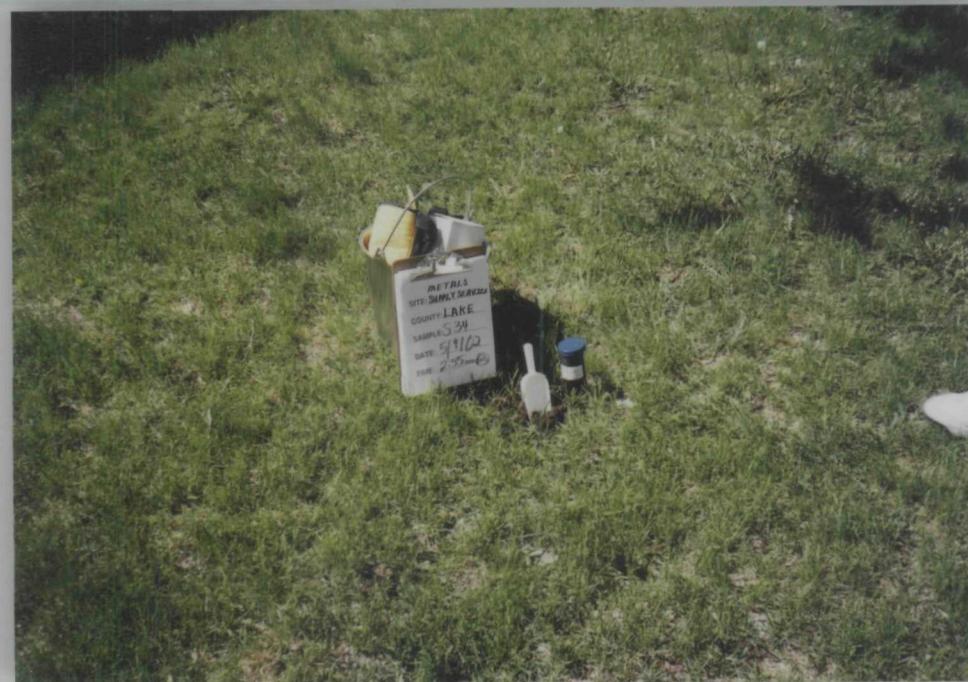
Tracy Concannon

Location: S 33

Subject (movement): Soil sample

SF 39674

Dept. of Environmental Mgmt.



Metals Supply Serv. / Metals Refining

Site

B.71 Gles 5/9/02 1410
Photographer Date Time

Others Present: Mark Jaworski

Don Chasterson

Location: S 32

Subject (movement): soil sample

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Site

B.71 Gles 5/9/02 1410
Photographer Date Time

Others Present: Mark Jaworski

Don Chasterson

Location: S 32

Subject (movement): soil sample

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Site

B.71 Gles 5/9/02 1455
Photographer Date Time

Others Present: Mark Jaworski

Don Chasterson

Location: S 34

Subject (movement): soil sample

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Site

B.71 Gles 5/9/02 1455
Photographer Date Time

Others Present: Mark Jaworski

Don Chasterson

Location: S 34

Subject (movement): soil sample

Dept. of Environmental Mgmt.



Metals Supply Serv. / Metals Refining

Facility

Bill Giles

Photographer

5/9/02

Date

1510

Time

Others Present: Mark Jaworski

Don Chasterson

Location: S 36

Subject (movement): Soil sample

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Site

Bill Giles

Photographer

5/9/02

Date

1510

Time

Others Present: Mark Jaworski

Don Chasterson

Location: S 36

Subject (movement): Soil sample

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Facility

Bill Giles

Photographer

5/9/02

Date

1525

Time

Others Present: Mark Jaworski

Don Chasterson

Location: S 38

Subject (movement): Soil sampling

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv. / Metals Refining

Facility

Bill Giles

Photographer

5/9/02

Date

1525

Time

Others Present: Mark Jaworski

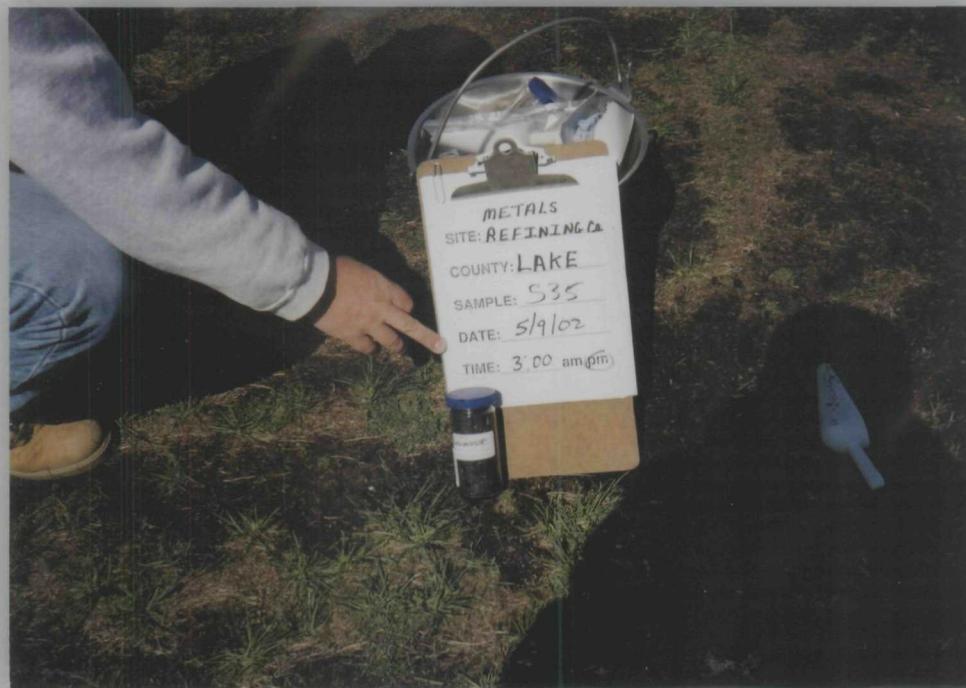
Don Chasterson

Location: S 38

Subject (movement): Soil sample

Dept. of Environmental Mgmt.

SF 39674



Metals Supply Serv./Metals Refining

Facility Doug Fisher Date 5/9/02 Time 1500
Photographer

Others Present: Susan Tyner

Tracy Concannon

Location: S 35

Subject (movement): Soil sample

SF 39674 Dept. of Environmental Mgmt.

Metals Supply Service / Metals Refining

Facility Doug Fisher Date 5/9/02 Time 1510
Photographer

Others Present: Tracy Concannon

Susan Tyner

Location: S 37

Subject (movement): Soil sample

SF 39674 Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Facility Doug Fisher Date 5/9/02 Time 1500
Photographer

Others Present: Susan Tyner

Tracy Concannon

Location: S 35

Subject (movement): Soil sample

SF 39674 Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Facility Doug Fisher Date 5/9/02 Time 1510
Photographer

Others Present: Tracy Concannon

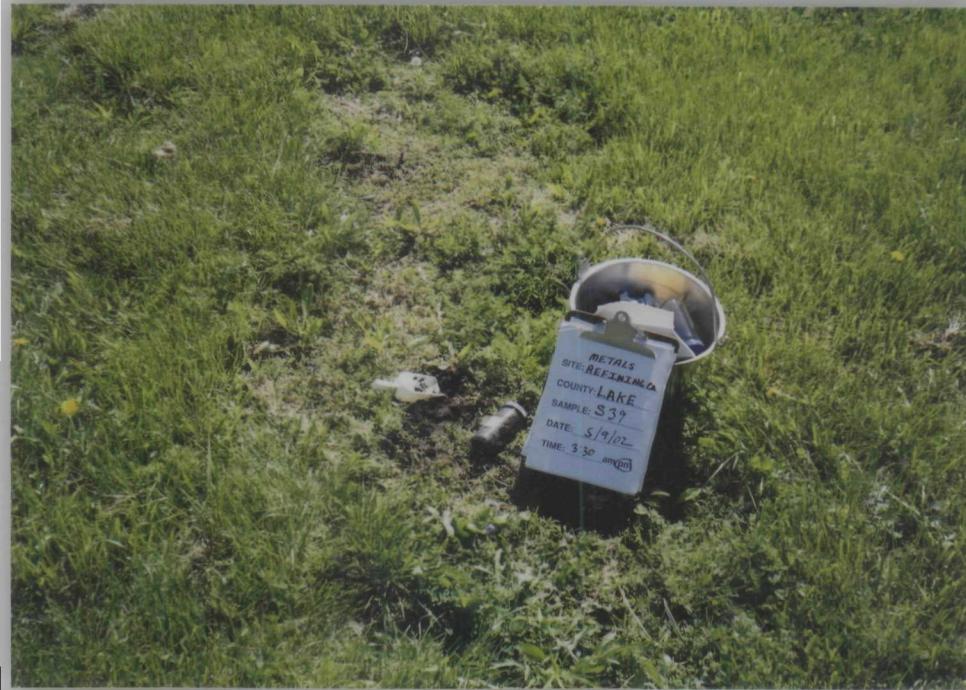
Susan Tyner

Location: S 37

Subject (movement): Soil sample

SF 39674 Dept. of Environmental Mgmt.

K8W Division 8832
Tolleson, CA 90203



Metals Supply Serv./Metals Refining

Facility Doug Fisher Date 5/9/02 Time 1530
Photographer

Others Present: Tracy Concanon

Susan Tyner

Location: S39

Subject (movement): soil sample

SF 39674 Dept. of Environmental Mgmt.

Metals Supply Serv./Metal Refining

Facility Doug Fisher Date 5/9/02 Time 1535
Photographer

Others Present: Tracy Concanon

Susan Tyner

Location: S41 / S43

Subject (movement): soil sample

SF 39674 Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Facility Doug Fisher Date 5/9/02 Time 1530
Photographer

Others Present: Tracy Concanon

Susan Tyner

Location: S39

Subject (movement): soil sample

SF 39674 Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Facility Doug Fisher Date 5/9/02 Time 1535
Photographer

Others Present: Tracy Concanon

Susan Tyner

Location: S41 / S43

Subject (movement): soil sample

SF 39674 Dept. of Environmental Mgmt.

K&W Division B832
Tollhouse, CA 80203



Metals Supply Serv. / Metals Refining

Facility

Doug Fisher

Photographer

5/9/02 1625

Date

Time

Others Present: Tracy Concanon

Susan Tyres

Location: S44

Subject (movement): soil sample

Metals Supply Serv. / Metals Refining

Facility

Doug Fisher

Photographer

5/9/02 1625

Date

Time

Others Present: Tracy Concanon

Susan Tyres

Location: S44

Subject (movement): soil sample



Metals Supply Serv./Metals Refining

Facility

Doug Fisher

5/9/02

Date

1640

Time

Photographer

Others Present: Susan Tyner

Tracy Concanon

Location: S45

Subject (movement): soil sample

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Facility

Doug Fisher

5/9/02

Date

1640

Time

Photographer

Others Present: Tracy Concanon

Susan Tyner

Location: S45

Subject (movement): soil sample

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Facility

Doug Fisher

5/9/02

Date

1700

Time

Photographer

Others Present: Tracy Concanon

Susan Tyner

Location: S46

Subject (movement): soil sample

SF 39674

Dept. of Environmental Mgmt.

Metals Supply Serv./Metals Refining

Facility

Doug Fisher

5/9/02

Date

1700

Time

Photographer

Others Present: Tracy Concanon

Susan Tyner

Location: S46

Subject (movement): soil sample

SF 39674

Dept. of Environmental Mgmt.